

**Autumnwood ESH Consultants, LLC**

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Mount Pleasant, Wisconsin 53403
Phone: 262.237.1130

8 November 2013

Mr. John Nordine
U.S. EPA Region 5
RCRA Enforcement and Compliance Assurance Branch (LU-9J)
77 West Jackson Boulevard
Chicago, Illinois 60604

Re: Central Wire, Union, Illinois Monthly Progress Report for October 2013

Dear Mr. Nordine:

Enclosed please find the Monthly Progress Report for the Central Wire facility located in Union, Illinois for the month of October 2013.

The eDMR for the groundwater pump and treat facility for October 2013 and the groundwater elevation data for monitoring well DGW-2I are also included in this report.

If you have any comments or questions regarding the progress of this project, please do not hesitate to call me at (262) 237-1130.

Sincerely,
Autumnwood ESH Consultants, LLC

John W. Thorsen, P.E.

JWT:jt

encl

cc:	Joyce Munie	IEPA
	Robert Kay	USGS
	Gerald W. Ruopp	Central Wire
	Henry Lopes	Central Wire
	Robert Johnson	Central Wire

MONTHLY PROGRESS REPORT
Central Wire Union, Illinois Site
October 2013

1. **Progress Made This Reporting Period** – This reporting period Central Wire continued the operation and maintenance of the groundwater extraction and treatment system. Central Wire treated an average of 635,000 GPD with a maximum daily average of 641,000 GPD and met effluent limitations for pH; 1,1,1-TCA; TCE and PCE. The electronic Discharge Monitoring Report (eDMR) for October 2013 is attached to this report.

The groundwater level monitoring data from downgradient monitoring well DGW-2I is currently being collected for 2013. Over the course of the month the water table fluctuated with a low point of about 812.755 feet, msl, to a high point of about 814.101 feet for a variation of 1.346 feet over the month of September.

Ex. 6 Personal Privacy (PP) well for a total of 40 hours. The **Ex. 6 Personal Privacy (PP)** well was not used in October 2013. The diesel engine powering the pump for the **Ex. 6 Personal Privacy (PP)** well has been removed and stored for the winter.

Summary of October 2013 Irrigation at **Ex. 6 Personal Privacy (PP)**

Date of Hour Meter Reading	Ex. 6 Personal Privacy (PP)			
	Hour Meter Reading	Hours Pumped	Hour Meter Reading	Hours Pumped
9/23/2013	5125	0	2972	0
10/1/2013	5125	0	2997	25
10/7/2013	5125	0	2999	2
10/14/2013	5125	0	3011	12
10/21/2013	5125	0	3012	1
10/28/2013	5125	0	3012	0
11/4/2013	5125	0	3012	0
Totals		0		40

The groundwater elevation recorded data is in a file attached to this report. It provides the groundwater elevations between September 28 and November 4, 2013, reported in feet above mean sea level at 15 minute intervals. At the bottom of that file is a graph showing the changes in groundwater elevations over the month, the precipitation by week and in what week the **Ex. 6 Personal Privacy (PP)** pumps were used (hours of use). Note that between 10/31/2013 and 11/2/2013 (3 days) there was 1.1 inches of precipitation. In that time frame the water levels in monitoring well DGW-2I went from the monthly low to the monthly high, increasing 1.346 inches which seems to indicate that water levels are more susceptible to precipitation than groundwater pumping.

A Status Report requested by EPA addressing Corrective Measures Implementation was submitted. This report included Pump & Treat system effectiveness including influent concentrations, the RCRA groundwater monitoring network and residential well sampling results and trends and the 2012 field investigation report to determine the leading edge of the chlorinated plume.

2. **Summary of Validated Data and Results** – No samples were collected in October 2013.
3. **Upcoming Events/Activities Planned** – The existing remediation systems will continue to operate as planned. The semiannual RCRA monitoring well and residential well sampling event is scheduled for December 9 and 10, 2013.
4. **Anticipated Problem Areas and Recommended Solutions** – None.
5. **Key Personnel Changes** – None.
6. **Target and Actual Completion Dates** – This project has not deviated from the project schedule.